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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/804,426

03/18/2004

Kyoung Soo Moon

2080-3237

7236

35884

7590

04/03/2009

LEE, HONG, DEGERMAN, KANG & WAIMEY

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EXAMINER

TEKLE, DANIEL T

ART UNIT

PAPER NUMBER

2621

NOTIFICATION DATE

DELIVERY MODE

04/03/2009

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary	Application No. 10/804,426	Applicant(s) MOON, KYOUNG SOO	
	Examiner DANIEL TEKLE	Art Unit 2621	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 06 January 2009.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Argument

Applicant's arguments with respect to claim 1-15 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim1 rejected under 35 U.S.C. 103(a) as being unpatentable over Knudson et al. (US 2005/0273819) and further in view of Emura (US 6,344,878).

Regarding Claim 1: Knudson et al. and Emura disclose a method for detecting an overlap of scheduled recording times, the method comprising: determining that there exists a first broadcasting program scheduled to record on a first channel and a second broadcasting program scheduled to record on a second channel (**fig. 13 of Knudson**); correcting a scheduled recording time of at least the first broadcasting program or the second broadcasting program according to time correction data corresponding to a time difference between the first channel and the second channel (**column 19 lines 42-63 of Emura**); determining that the scheduled recording times of the first broadcasting program and the second broadcasting overlap (**paragraph 0081 of Knudson**); and reporting information on the overlap (**paragraph 0081 of Knudson**).

It would have been obvious to one ordinary skill in the art at the time of the invention was made to combined Emura invention into Knudson et al. invention in order to correct a scheduling recording conflict.

Regarding Claim 2: Knudson et al. disclose a method according to claim 1, further comprising, calculating the time correction data **(paragraph 0082)**.

Regarding Claim 3: Knudson et al. disclose a method according to claim 2, wherein calculating the time correction data comprises: setting, as a reference time, a base time provided from a reference channel tuned first upon power up **(paragraph 0081)**; obtaining base times provided from channels other than the reference channel **(0082)**; and calculating the time correction data using the reference time and the base times **(paragraph 0082)**.

Regarding Claim 4: Knudson et al. disclose a method according to claim 3, wherein calculating the time correction data further comprises: mapping the calculated time correction data to corresponding channels in one-to-one mapping and storing the mapped time correction data **(paragraph 0080)**.

Regarding Claim 5: Knudson et al. disclose a method according to claim 3, wherein the reference channel is set in default by a user **(paragraph 0082)**.

Regarding Claim 6: Knudson et al. disclose a method according to claim 3, wherein calculating the time correction data further comprises: storing the set reference time and the base times **(paragraph 0080)**.

Art Unit: 2621

Regarding Claim 7: Knudson et al. disclose a method according to claim 3, wherein the calculated time correction data comprises time differences between the reference time and the base times **(paragraph 0081)**.

Regarding Claim 8: Knudson et al. disclose a method according to claim 1, wherein the scheduled recording times comprise a record start time and a record end time **(paragraph 0081)**.

Regarding Claim 9: Knudson et al. disclose a method according to claim 1, wherein correcting the scheduled recording time comprises the steps of: reading the time correction data corresponding to the first channel and second channel**(paragraph 0080)**; and adding the read time correction data to the scheduled recording times of at least first broadcasting program or second broadcasting program**(paragraph 0081-0082)**.

Regarding Claim 10: Knudson et al. disclose a method according to claim 1, wherein the information on the overlap is reported in the form of message or voice **(paragraph 0082)**.

Regarding Claim 11: Claim 11 is rejected for the same subject matter as claims 1 and 2.

Regarding Claim 12-15: Claims 12-15 are rejected for the same subject matter as claims 3, 5, 7 and 9 respectively.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DANIEL TEKLE whose telephone number is (571)270-

Art Unit: 2621

1117. The examiner can normally be reached on 7:30am to 5:00pm M-R and 7:30-4:00
Every other Friday..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marsha D. Banks-Harold can be reached on 571-272-7905. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Marsha D. Banks-Harold/
Supervisory Patent Examiner, Art Unit 2621

/Daniel Tekle/
Examiner, Art Unit 2621